HP8-8

2.4 M | 8 FT HIGH PERFORMANCE PARABOLIC REFLECTOR ANTENNA, SINGLE-POLARIZED, 7.75-8.5GHZ



SPECIFICATIONS

General

Antenna Type	High Performance Parabolic Reflector Antenna
Size, nominal	8 ft | 2.4 m
Polarization	Single

Standard RF Connector Type	CPR112G
Standard RF Connector Suffix	RS (append suffix to model number)

Electrical

Operating Frequency Band	7.75 - 8.5 GHz
Half Power Beamwidth, Horizontal	1.1 degrees
Half Power Beamwidth, Vertical	1.1 degrees
Cross-Polarization Discrimination	30 dB
Front to Back Ratio (F/B)	68 dB

Gain, Low Frequency	42.7 dBi
Gain, Mid Frequency	43.1 dBi
Gain, High Frequency	43.5 dBi
VSWR	1.37:1
Return Loss	-16.1 dB

Mechanical

Fine Azimuth Adjustment	+/- 5 degrees
Fine Elevation Adjustment	+/- 5 degrees
Mounting Pipe Diameter, Min	4.5 inch | 11.4 cm
Mounting Pipe Diameter, Max	4.5 inch | 11.4 cm
Net Weight	424 lbs | 194.5 kg
Wind Velocity Operational	90 mph | 145 km/h
Wind Velocity Survival Rating	125 mph | 201 km/h

Mechanical Configuration	HP8
Axial Force (FA)	2773 lbs | 12334 N
Side Force (FS)	1422 lbs | 6325 N
Twisting Moment (MT)	4400 ft-lbs | 5965 Nm
Operating Temperature Range	-40 to +60 C
Max Pressure, PSIG, (if waveguide interface)	5

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Regulatory Compliance

FCC	undeclared
Industry Canada Compliance	SRSP307.7 A

ETSI	302217 R1 C2
RoHS-compliant	Yes

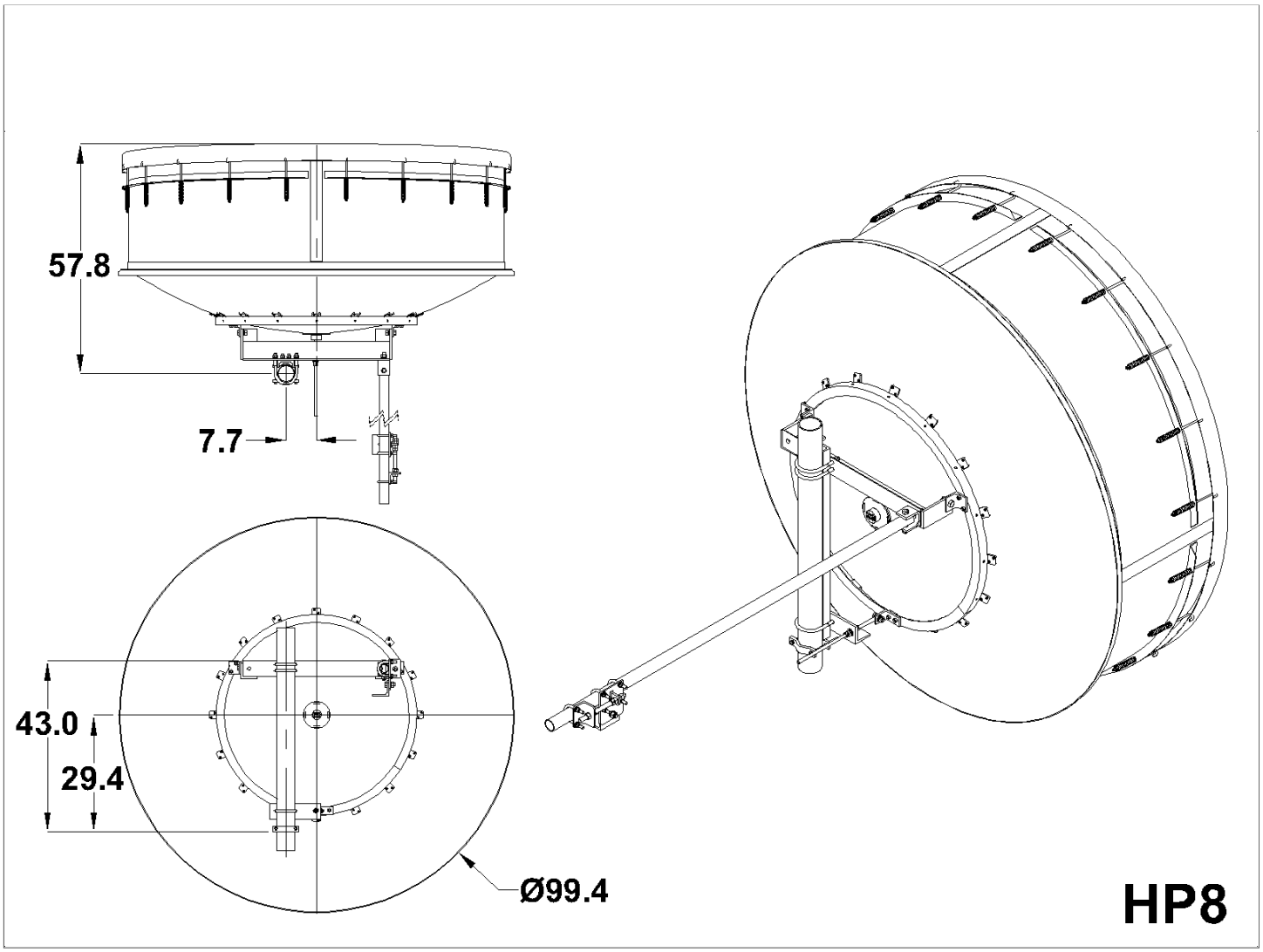
Shipping Information

Package Type	Wood Crate
Gross Weight	1122 lbs | 508.9 kg

Dimensions, L x W x H	105 x 63 x 95in | 249 x 203 x 218 cm
Shipping Volume	363.67 cu ft | 10.3 cu m

*Additional OEM interfaces and adapters may be available. Contact RadioWaves for a complete and current list of available adapters.

TECHNICAL DRAWINGS



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